

Figure 1

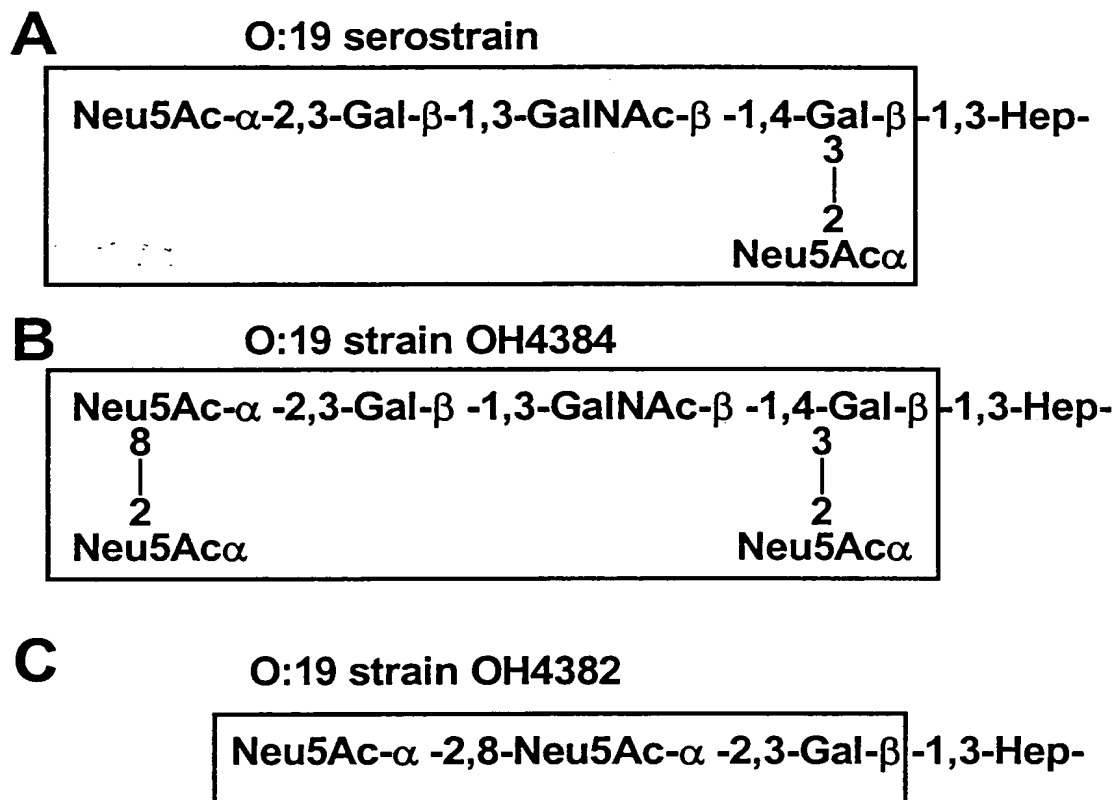
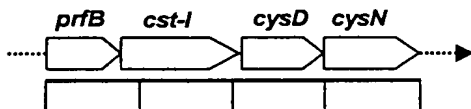


Figure 2

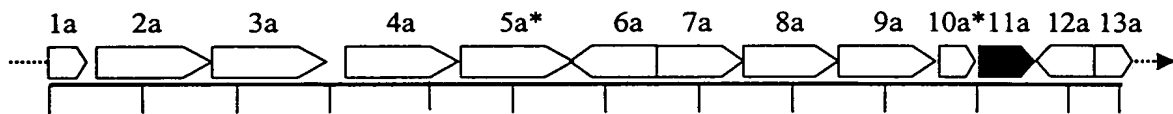
A

OH4384 *cst-I* locus (3.92 kb)



B

OH4382/OH4384 LOS biosynthesis locus (11.47 kb)



NCTC 11168 LOS biosynthesis locus (13.48 kb)

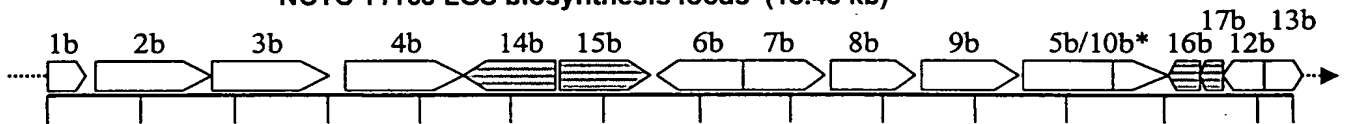


Figure 3

OH4384	-----MKKVIIAGNGPSLKEIDYSRLPNDFDVFR CNQFYFEDKYYLGKKC	45
O:19	-----MKKVIIAGNGPSLKEIDYSRLPNDFDVFR CNQFYFEDKYYLGKKC	45
Cst-I	MTRTRMENELIVSKNMQNI I IAGNGPSLKNIN YKRLPREYDVFR CNQFYFEDKYYLGKKI	60
11168	-----MSMNINALVCGNGPSLKNIDYKRLPKQFDVFR CNQFYFEDRYFVGKDV	48
Hi_ORF	----- ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	
OH4384	KAVFYNPILFFEQYYTLKHLIQNQEYETELIMCSNYNQAHLENENFVKTFYDYFPDAHLG	105
O:19	KAVFYTPNFFFEQYYTLKHLIQNQEYETELIMCSNYNQAHLENENFVKTFYDYFPDAHLG	105
Cst-I	KAVFFNPGVFLQQYHTAKQLILKNEYEIKNIFCSTFNLPFIESNDFLHQFYNNFFPDAKLG	120
11168	KYVFFNPFFVFEQYYTSKKLIQNEEYNIENIVCSTINLEYIDGQFQVDNFELYFSDAFLG	108
Hi_ORF	-----MQLIKNNEYEYADIILSSFVN LGDSELKKIKNVOKLLTQVDIG ^	43
OH4384	YDFFKQLKDFNAYFKFHEIYFNQRITSGVYMC AIAIALGYKEIYLSGIDFYQN-GSSYAF	164
O:19	YDFFKQLKEFNAYFKFHEIYFNQRITSGVYMC AIAIALGYKEIYLSGIDFYQN-GSSYAF	164
Cst-I	YEVIENTLKEFYAYIKYNEIYFNKRITSGVYMC AIAIALGYKTIYLCGIDFYEG-DVIYPF	179
11168	HEIIKKLKDFFAYIKYNEIYNRQRITSGVYMC AIAIALGYKSIYISGIDFYQDTNNLYAF	168
Hi_ORF	HYILNKLPAFDAYLQYNELYENKRITSGVYMC AIAIALGYKDLYLTGIDFYQEKGNPYAF * ^ * * ^ * ^ * * ^ * * ^ * * ^ * * ^ *	103
OH4384	DTKQKNLLKLAPNFKNDNSHYIGHSKNTDIKALEFLEKTYKIKLYCLCPNSLLANFIELA	224
O:19	DTKQENLLKLAPDFKNDNSHYIGHSKNTDIKALEFLEKTYKIKLYCLCPNSLLANFIELA	224
Cst-I	EAMSTNIKTIFPGIK-DFKPSNCHSKEYDIEALKLLKSIYKVNIYALCDDSI LANHFPLS	238
11168	DNNKKNLLNKCTGFKNQKFKFINHSMACDLQALDYLMKRYDVNIYSLNSD---EYFKLA	224
Hi_ORF	HHQKENI IKLLPSFSQNKSQSDIHSMEYDLN ALYFLQKH YGVNIYCI SPESPLCNYFPLS * ^ ^ ^ * * * * * ^ * * ^ ^ ^ ^ *	163
OH4384	PNLN-SNFIIQEK-NNYTKDILIPSSEAYGKFSKN-----INFKKIK-IKENIYYK	272
O:19	PNLN-SNFIIQEK-NNYTKDILIPSSEAYGKFSKN-----INFKKIK-IKENVYYK	272
Cst-I	ININ-NNFTLENKHNSINDILLTDNTPGVSFYKNQLKADNKIMLNFYNILHSDNLIK F	297
11168	PDIG-SDFVLSKKPKKYINDILIPDKYAQERYYGK-----KSR-LKENLHYK	269
Hi_ORF	PLNNPITFILEEK-KNYTQDILIPPKFVYKKIGIYS-----KPR-IYQNLIFR ^ ^ ^ * * ^ ^ * * ^ ^	209
OH4384	LIKDLLRLPSDIKHYFKGK-----	291
O:19	LIKDLLRLPSDIKHYFKGK-----	291
Cst-I	LNKEIAVLKKQTTQRAKARIQNHL S	322
11168	LIKDLIRLPSDIKHYLKEKYANKNR	294
Hi_ORF	LIWDILRLPNDIKHALKSRKWD--- * ^ ^ ^ ^ * ^ ^ ^ ^ ^ *	231

Figure 4

